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#11

SEQUENCE LISTING

<110> Mitsuhashi, Kazuya
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Matsuyama, Akinobu
Tokuyama, Shinji

<120> D-AMINOACYLASE AND GENE ENCODING THE SAME

<130> 06501-072001

<140> US 09/770,517

<141> 2001-01-26

<150> JP 2000-019080

<151> 2000-01-27

<150> JP 2000-150578

<151> 2000-05-22

<160> 27

<170> PatentIn Ver. 2.0

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<211> 1677

<212> DNA

<213> Hypomyces mycophilus

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<212> PRT

<213> *Hypomyces mycophilus*

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Glu	Gln	Ile	Ala	Gly	Trp	Asn	Gly	Asn	Pro	Thr	Asp	Glu	Glu	Cys	Arg	115	120	125	
Thr	Thr	Leu	Lys	Gly	Val	Gly	Met	Phe	Glu	Trp	Gln	Thr	Ile	Gly	Glu	130	135	140	
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Thr	Pro	Ala	Ser	Ala	Glu	Glu	Ile	Gln	Asp	Gln	Ile	Gln	Leu	Leu	Arg	180	185	190	
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Gly	Glu	Ser	Thr	Gly	Cys	Pro	Ile	His	Leu	Thr	His	Ala	Thr	Leu	Asn	260	265	270	
Phe	Ser	Glu	Asn	Lys	Gly	Lys	Ala	Pro	Val	Leu	Ile	Ser	Met	Val	Asp	275	280	285	
Lys	Ser	Leu	Ala	Ala	Gly	Val	Asp	Val	Thr	Leu	Asp	Thr	Tyr	Pro	Tyr	290	295	300	

3

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 355 360 365
 Glu Pro Ser Ile Ala Ser Tyr Ser Gly Arg Arg Leu Ser Glu Val Ala
 370 375 380
 Gln Ser Val Gly Lys Pro Thr Ile Glu Val Phe Phe Glu Ile Leu Gln
 385 390 395 400
 Lys Asp Lys Leu Ala Thr Ser Cys Ile Met His Val Gly Asn Glu Glu
 405 410 415
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 420 425 430
 Gly Ile Leu His Gly Gln Thr Leu His Pro Arg Ala Tyr Gly Thr Phe
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 485 490 495
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 Pro Lys Val Pro Ser Arg Gly Ile Arg Phe Val Leu Val Asn Gly Gln
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<210> 4

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<223> n = A,T,C or G

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<210> 5

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<221> misc_feature

<222> 3, 6, 15

<223> n = A,T,C or G

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<210> 6

<211> 20

<212> DNA

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<210> 7

<211> 321

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<213> Hypomyces mycophilus

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 catcgccggc gccatatcta caggcacaca cggcagcagc atccaccacg gcctcatgtc 240
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<210> 8

<211> 20

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<210> 9

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially Synthesized Primer Sequence

<400> 9

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<210> 10

<211> 20

<212> DNA

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<400> 10

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<210> 11

<211> 20

<212> DNA

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<220>

<223> Artificially Synthesized Primer Sequence

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<211> 1325

<212> DNA

<213> Hypomyces mycophilus

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<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Artificially Synthesized Primer Sequence

<400> 13

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<210> 15

<211> 20

<212> DNA

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<210> 16
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<400> 18
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<210> 25
<211> 1897
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<213> *Hypomyces mycophilus*

<400> 25

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<212> PRT

<213> *Hypomyces mycophilus*

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          20          25

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<210> 27

<211> 20

<212> PRT

<213> *Hypomyces mycophilus*

10

<400> 27

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1 5 10 15

Ser Arg Gly Phe
20